LIFE CYCLE COST OF DIFFERENT TYPES OF FITTINGS USED ON GOLF COURSE REPAIRS

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COMPARISON MADE BELOW FOR REPLACING A FAILED 3 X 3 X 3 TEE

Labor Cost @ $12/hr.
2 Man Crew

Work Required:	Man Hours
Dig out the hole:	2 Hours
Remove fitting and pump out of water:	2 Hours
Prepare pipe:	½ Hour
Install new fitting:	2 Hours
Backfill:	2 Hours
Resod or replant grass:	2 Hours

Estimated LABOR Cost to Repair: 10.50 x $12.00 = $126.00

LIFE CYCLE estimated cost to use different Repair materials over a 30 year period:	Ductile Iron Push-On	Epoxy Coated Steel	PVC Fitting
Price of replacement tee	50	40	15
Price of repair couplings	30	25	10
Labor from cost above	126	126	126
Total Cost to Repair:	$206	$191	$151
Estimated life of fittings in years:	100+	5	3
Number of additional repairs to this fitting In 30 years:	0	6	10
Total Cost Over Next 30 Years:	$206	$1,337	$1,661

INTANGIBLE COSTS AND AGGRAVATIONS OF FITTING BLOWOUTS:

- Aggravation on Superintendent
- Loss of play and revenue
- Aggravation to Greens Committee
- Loss of Reputation
- Loss of time on other more productive projects
- Reduced quality of course